



CD100M WORKSTATION



The CD100M is a compact desktop workstation which includes a versatile, intelligent terminal with advanced video features, a detachable keyboard, a Multibus* card cage and a high-capacity switching power supply. Options include dual 5¼-inch, mini-floppy disk drives or one floppy and one mini-Winchester rigid drive.

The CD100M is ideally suited for the OEM and large volume end user who prefer an integrated workstation in a single, low-cost package versus buying separate components or building the workstation themselves. The many value-added benefits engineered into the CD100M facilitates a professional "make-versus-buy" decision.

An important design feature of the CD100M is the integral card cage which holds up to six Multibus* cards, available from numerous sources. A choice of various CPU's, including the Z-80B, 8086 and 68000, is available.

These microcomputer board families are well supported by a wide range of floppy and hard disks, printers, analog, input/output devices and industrial control interfaces. A removable rear cover allows full access to the card cage for both development and maintenance. In addition, various software packages such as CP/M*, CP/M-86*, iRMX 86* and UNIX* are supported on the CD100M.

Overall, the CD100M is the ideal choice for a quality system in a compact package. The CD100M was designed with the sophisticated systems integrator in mind.

SPECIFICATIONS

DISPLAY FEATURES

- ANSI Compatible ANSI X3.64-1979 25 lines × 80 characters
- 7 × 12 character in 9 × 13 fields, 3 dot descenders
- Split screen capability (e.g. seven rows for screen 0 and 18 rows for screen one)
- Separate scrolling regions within each screen (allows fixed column headers, etc.)
- Smooth scrolling (lines go smoothly from bottom to top of screen)
- Tab controls
- Insert/delete line
- Insert/delete character
- Erase to cursor (line or screen)
- Erase from cursor (line or screen)
- Erase line (on selected screen)
- Move cursor commands
- Cursor position report
- LED commands
- ANSI SET/RESET Mode commands
- Alternate character ROM
- Invisible character attributes including blink, half intensity, underline, reverse video and overstrike
- Forms drawing characters
- Monitor mode — displays all characters including control codes
- Local/self test mode — runs diagnostics
- 12-inch monitor with P4 phosphor
- Non-glare glass

OPERATOR INDICATORS

- Online Keyboard Display LEDs
- Online, Local (on line or local is always on when power is applied)
- Keyboard locked
- Keypad application
- Three CPU programmable indicators
- Front Panel Display LEDs: Eight CPU programmable LEDs

KEYBOARD FEATURES

- Detachable with five foot (extended) coil cord
- 83 sculptured keys with typewriter pairing
- 18 key numeric pad includes 0-9, period, comma, minus, enter and four function keys. Keypad can be put into applications mode for 14 more function keys
- Auto repeat
- N key rollover
- Escape, delete, control, tab and caps lock functions
- Cursor control keys
- Smooth scroll control key

COMMUNICATIONS INTERFACE

- RS-232 serial interface to CPU through Cannon 25D type female
- Baud rate selectable 50 to 9600 baud
- Seven or eight data bits
- One start bit, one stop bit (two bits below 300 baud)
- Parity: Odd or Even. Parity: Enabled or None

INTERNAL CONTROLS AND SWITCH OPTIONS

- Reverse video intensity (trim pot)
- Reduced intensity brightness (trim pot)
- Auto line wrap
- Auto line feed after carriage return
- Monitor mode enable
- Cursor type
- X on/X off enable

OPERATOR TERMINAL CONTROLS

- Video intensity
- Video contrast
- Keyclick enable/disable

OPERATOR CPU CONTROLS

- Reset-momentary switch re-starts CPU using INIT/signal
- AUX RESET/optional
- INTR-Momentary switch causes CPU interrupt with jumper selectable interrupt identifier

CPU CARD CAGE

- Accessible by removing rear panel, fan cooled
- System power: 200W switching power supply, +5V @ 25A, ±12V @ 4A, -5V @ 4A
- Six standard Multibus card slots, P1 motherboard with terminators, parallel (with arbiter) or serial priority interrupt, interrupt vector, front panel restart and interrupt. 1M byte addressing (P2 extends to 16M bytes). P2 motherboard (optional) with power fail detection and interrupt plus provisions for battery backup. P2 wirewrap kit (optional)

DISK MEMORY PROVISIONS

- Two 5¼-inch floppy disks can be optionally mounted in the system providing up to 2M bytes (unformatted) storage
- 5¼-inch mini Winchester drives can also be accommodated providing up to 10M bytes of fixed storage
- The disk controller (user specified) will be located in the CPU backplane

EXTERNAL CABLING PROVISIONS

- Rear panel allows mounting of four Cannon D type 25 pin connectors and four D type 37 pin connectors plus flat cable access

POWER

- 115V at 60 Hz, 4 AMPS or 230V at 50 Hz, 2 AMPS, switch selectable
- VDE filtering
- AC on/off located in rear
- Designed to meet UL, VDE requirements

PHYSICAL DATA

- 20½-inch wide × 19¼-inch deep × 14½-inch high (52 × 49 × 37 cm)
- With keyboard nested: 25½-inch deep (64 cm)
- Weight 50 pounds (22.7 kg)

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